CONTENTS OF VOLUME 49

Volume 49 Nos. 1/2 January 1990

ASIT K. SEN and NITYA G. MONDAL / Removal and Uptake of Copper (II) by *Salvinia Natans* from Waste Water 1

M. C. McINERNY / Gas-Bubble Disease in Three Fish Species Inhabiting the Heated Discharge of a Steam-Electric Station Using Hypolimnetic Cooling Water 7

M. J. LOUZAO, M. C. LEIRÓS, and F. GUITIÁN / Study of Buffering Systems in Soils from Galicia, N.W. Spain 17

J. LUDWIG and O. KLEMM / Acidity of Size-Fractionated Aerosol Particles 35

A. K. CHATURVEDI, K. P. YADAVA, K. C. PATHAK, and V. N. SINGH / Defluoridation of Water by Adsorption on Fly Ash 51

D. TINGFA, Z. SHIGUANG, and T. MOUSHENG / Estimation Method of Residual Alkylating Agents in Water Treated with Chloring-Containing Oxidant 63

Y. C. SHARMA, G. S. GUPTA, G. PRASAD, and D. C. RUPAINWAR / Use of Wollastonite in the Removal of NI(II) from Aqueous Solutions 69

D. I. KAPLAN, D. C. ADRIANO, C. L. CARLSON, and K. S. SAJWAN / Vanadium: Toxicity and Accumulation by Beans 81

DOROTHY J. BISHOP, JOHN P. KNEZOVICH, and FLORENCE L. HARRISON / Behavior of Phenol and Aniline on Selected Sorbents and Energy-Related Solid Wastes 93

B. D. TRIPATHI, R. K. DWIVEDI, and ANAMIKA TRIPATHI / Influence of Industrial Wastes on Physico-Chemical Properties of Soil and Germination and Mineral Composition of Wheat 107

BERND MARKERT and IAIN THORNTON / Multi-Element Analysis of an English Peat Bog Soil 113

Y. MURAMATSU, S. UCHIDA, P. SRIYOTHA, and K. SRIYOTHA / Some Considerations on the Sorption and Desorption Phenomena of Iodide and Iodate on Soil 125

SVEN HALLDIN, ALLAN RODHE, and BJÖRN BJURMAN / Urban Storm Water Transport and Wash-Off of Cæsium-137 after the Chernobyl Accident 139

A. L. HEATHWAITE / The Effect of Drainage on Nutrient Release from Fen Peat and Its Implications for Water Quality – A Laboratory Simulation 159

P. THANABALASINGAM and W. F. PICKERING / Specific Sorption of Antimony (III) by the Hydrous Oxides of Mn, Fe, and Al 175

N. J. PUERNER, S. M. SIEGEL, and B. Z. SIEGEL / The Experimental Phytotoxicology of Germanium in Relation to Silicon 187

J. ZAYED, P. ANDRÉ, J. C. PANISSET, S. DUCIC, G. CAMPANELLA, M. ROY, G. KENNEDY, et C. DELISLE / Contamination Environnementale par les Métaux et Maladie de Parkinson (Environmental Contamination by Metals and Parkinson's Disease) 197

DAVID P. TURNER and DAVID T. TINGEY / Foliar Leaching and Root Uptake of Ca, Mg and K in Relation to Acid Fog Effects on Douglas-Fir 205

Volume 49 Nos. 3/4 February 1990

P. T. E. OZOH / Volume Regulation and Accumulation of Copper in Whole and Decapitated *Hediste* (Nereis) *diversicolor* under varying Salinity – Copper Regimes 215
P. T. E. OZOH / Egg Volume Regulation in *Hediste* (Nereis) *diversicolor* Eggs: A Rapid Bioassay 231
C. M. JOY and K. P. BALAKRISHNAN / Effect of Fluoride on Axenic Cultures of Diatoms 241
OLEH WERES, HARRY R. BOWMAN, AARON GOLDSTEIN, EMILY C. SMITH, LEON TSAO, and WARREN HARNDEN / The Effect of Nitrate and Organic Matter upon Mobility of Selenium in Groundwater and in a Water Treatment Process 251
RALPH HANTSCHEL, MARTIN KAUPENJOHANN, RAINER HORN, and WOLFGANG ZECH / Water, Nutrient and Pollutant Budgets in Damaged Norway Spruce Stands in NE-Bavaria (F.R.G.) and their Changes after Different Fertilization Treatments 273
YVONNE L. UNGER and IVAN J. FERNANDEZ / The Short-Term Effects of Wood-Ash Amendment on Forest Soils 299
LARS-OVE LÅNG and SVEN SWEDBERG / Occurrence of Acidic Groundwater in Precambrian Crystalline Bedrock Aquifers, Southwestern Sweden 315
S. DUMONTET, M. LÉVESQUE, and S. P. MATHUR / Limited Downward Migration of Pollutant Metals (Cu, Zn, Ni, and Pb) in Acidic Virgin Peat Soils near a Smelter 329
A. K. SINGH and BHARAT RAI / Effect of SO_2 and NH_3 on Growth Behavior of Some Phylloplane Fungi of Wheat in *in vitro* 343
A. K. SINGH and BHARAT RAI / Effect of Cement Dust Treatment on Some Phylloplane Fungi of Wheat 349
JAN E. ERIKSSON / Effects of Nitrogen-Containing Fertilizers on Solubility and Plant Uptake of Cadmium 355
CHARLOTTE L. DEMERS and RICHARD W. SAGE, Jr. / Effects of Road Deicing Salt on Chloride Levels in Four Adirondack Streams 369
ÅKE RÜHLING and BENGT SÖDERSTRÖM / Changes in Fruitbody Production of Mycorrhizal and Litter Decomposing Macromycetes in Heavy Metal Polluted Coniferous Forests in North Sweden 375
PATRICIA S. MUIR / Influence of Mist pH and Acid Anion on Cation Efflux from Pinto Bean Foliage 389
KRYSTYNA GRODZIŃSKA, GRAŻYNA SZAREK, and BARBARA GODZIK / Heavy Metal Deposition in Polish National Parks – Changes during ten Years 409

Book Review
K. Wolf, W. J. van den Brink, and F. J. Colon (eds.), *Contaminated Soil '88* (MICHEL BENARIE) 421

Announcements 423
Volume Contents 427